



**SAIC Engineering, Inc.**

**A Subsidiary of Science Applications International Corporation**

*An Employee-Owned Company*



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*Frank  
JVL*

October 24, 1996

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01-0827-05-0051-003

U.S. Environmental Protection Agency  
Region 1  
John F. Kennedy Building  
Boston, Massachusetts 02203

Attention: Mr. Frank Ciavattieri

Superfund Records Center  
SITE: Aerovox  
REGION: 8.4  
OTHER: \_\_\_\_\_

**Reference: Aerovox Site Post-Closure Monitoring,  
September 25, 26, and 27, 1996**


Dear Mr. Ciavattieri:

Enclosed are the results of the water level monitoring and cap inspection conducted at the Aerovox site by SAIC Engineering, Inc. during the September 1996 full moon period. We note that at the time of water level monitoring in September 1996 NOAA tide charts for New Bedford show record or near record high and low tide elevations.

The next inspection and round of water level readings are scheduled for the March 1997 full moon period. Please call if you have any questions.

Sincerely,

SAIC ENGINEERING, INC.

  
Allen F. Davis, P.E.  
Project Manager

Enclosures

cc: G. Monte, DEP/SERO  
P. Galvani, Ropes & Gray  
P. Szwaja, Aerovox

**Produced For The  
12/96 AVX FOIA Request  
New Bedford Harbor  
Superfund Site**

**Document produced to AVX in  
response to July 31, 2006 inquiry**

**POST-CLOSURE MONITORING REPORT  
AEROVOX, INC.  
NEW BEDFORD, MASSACHUSETTS**

I certify under penalty of law that I have personally examined and am familiar with the information in this inspection report and all attachments, and that, based on my inquiry of those individuals immediately responsible for obtaining information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Peter Szwaja  
Name

OCT. 24, 1996  
Date

Peter Szwaja  
Signature

Environmental Control Engineer  
Official Title

**LIST OF ATTACHMENTS**

Tables 1A and 1B      Dated: 9/25/96

Tables 2A and 2B      Dated: 9/26/96

Tables 3A and 3B      Dated: 9/27/96

Cap Inspection Report - Fall 1996

**TABLE 1A****WATER LEVEL READINGS****AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS****Tide Stage: High  
Time of Tide: 0645  
Date: Sept. 25, 1996  
Time of Readings: 0630 - 0712**

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 146 MONTHS (4)
Tide Gauge	4.76		0.93			
Well No. 2	6.92		3.91	3.01		
Well No. 2A	6.67	2.62	3.19	3.48	0.86	1.51 - 4.00
Well No. 3	6.95		4.08	2.87		
Well No. 3A	8.26	1.86	5.47	2.79	0.93	0.78 - 3.31
Well No. 4	10.99		7.85	3.14		
Well No. 4A	10.78	2.28	7.53	3.25	0.97	1.60 - 3.88
Well No. 7	7.59		4.29	3.30		
Well No. 7A	7.33	2.60	4.22	3.11	0.51	2.38 - 3.40

**NOTES:****Weather: 60 degrees F, Windy, Cloudy****Readings by: Mark Panni****Affiliation: SAIC Engineering, Inc., 101 East Grove Street, Middleboro, Massachusetts, 02346****FOOTNOTES:**

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
- (2) Tide elevation is measured in reference to a known elevation of 4.76 ft, at a point on sheet piling near Well No. 2.
- (3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A, and 7A are average monthly readings recorded for July 1984 through June 1985.
- (4) Numbers in this column are the range of recorded elevations from July 1984 through September, 1996.

**TABLE 1B****WATER LEVEL READINGS**

**AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS**

**Tide Stage: Low**

**Time of Tide: 1248**

**Date: Sept. 25, 1996**

**Time of Readings: 1228 - 1311**

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASLINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 146 MONTHS (4)
Tide Gauge	4.76		Dry	--		
Well No. 2	6.92		5.15	1.77		
Well No. 2A	6.67	2.62	3.30	3.37	0.75	1.51 - 4.00
Well No. 3	6.95		5.40	1.55		
Well No. 3A	8.26	1.86	5.48	2.78	0.92	0.78 - 3.31
Well No. 4	10.99		10.28	0.71		
Well No. 4A	10.78	2.28	7.53	3.25	0.97	1.60 - 3.88
Well No. 7	7.59		6.93	0.66		
Well No. 7A	7.33	2.60	4.20	3.13	0.53	2.38 - 3.40

**NOTES:**

**Weather: 65 degrees F, Windy, Partly Sunny**

**Readings by: Mark Panni**

**Affiliation: SAIC Engineering , Inc.. 101 East Grove Street, Middleboro, Massachusetts, 02346**

**FOOTNOTES:**

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
- (2) Tide elevation is measured in reference to a known elevaton of 4.76 ft , at a point on sheet piling near Well No. 2.
- (3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A, and 7A are average monthly readings recorded for July 1984 through June 1985.
- (4) Numbers in this column are the range of recorded elevations from July 1984 through September, 1996.

**TABLE 2A****WATER LEVEL READINGS**

**AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS**

**Tide Stage: High**

**Time of Tide: 0735**

**Date: September 26, 1996**

**Time of Readings: 0714 - 0758**

<b>LOCATION</b>	<b>TOP OF CASING ELEVATION (1) (2)</b>	<b>BASLINE ELEVATION (3)</b>	<b>CURRENT READING</b>	<b>CURRENT ELEVATION</b>	<b>CHANGE IN ELEVATION vs. BASELINE</b>	<b>RANGE OF ELEVATION OVER PREVIOUS 146 MONTHS (4)</b>
Tide Gauge	4.76		0.85	3.91		
Well No. 2	6.92		4.08	2.84		
Well No. 2A	6.67	2.62	3.44	3.23	0.61	1.51 - 4.00
Well No. 3	6.95		4.19	2.76		
Well No. 3A	8.26	1.86	5.56	2.70	0.84	0.78 - 3.31
Well No. 4	10.99		7.89	3.10		
Well No. 4A	10.78	2.28	7.56	3.22	0.94	1.60 - 3.88
Well No. 7	7.59		4.25	3.34		
Well No. 7A	7.33	2.60	4.23	3.10	0.50	2.38 - 3.40

**NOTES:**

**Weather: 50 degrees F, Cloudy, Light Wind**

**Readings by: Mark Panni**

**Affiliation: SAIC Engineering , Inc., 101 East Grove Street, Middleboro, Massachusetts, 02346**

**FOOTNOTES:**

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
- (2) Tide elevation is measured in reference to a known elevation of 4.76 ft , at a point on sheet piling near Well No. 2.
- (3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A, and 7A are average monthly readings recorded for July 1984 through June 1985.
- (4) Numbers in this column are the range of recorded elevations from July 1984 through September, 1996.

**TABLE 2B****WATER LEVEL READINGS**

**AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS**

**Tide Stage: Low**

**Time of Tide: 1339**

**Date: September 26, 1996**

**Time of Readings: 1233 - 1311**

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 146 MONTHS (4)
Tide Gauge	4.76		Dry	--		
Well No. 2	6.92		5.03	1.89		
Well No. 2A	6.67	2.62	3.40	3.27	0.65	1.51 - 4.00
Well No. 3	6.95		5.05	1.90		
Well No. 3A	8.26	1.86	5.78	2.48	0.62	0.78 - 3.31
Well No. 4	10.99		10.26	0.73		
Well No. 4A	10.78	2.28	7.58	3.20	0.92	1.60 - 3.88
Well No. 7	7.59		7.11	0.48		
Well No. 7A	7.33	2.60	4.22	3.11	0.51	2.38 - 3.40

**NOTES:**

**Weather: 60 degrees F, Cloudy, Windy**

**Readings by: Mark Panni**

**Affiliation: SAIC Engineering , Inc., 101 East Grove Street, Middleboro, Massachusetts, 02346**

**FOOTNOTES:**

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
- (2) Tide elevation is measured in reference to a known elevation of 4.76 ft , at a point on sheet piling near Well No. 2.
- (3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A, and 7A are average monthly readings recorded for July 1984 through June 1985.
- (4) Numbers in this column are the range of recorded elevations from July 1984 through September, 1996.

**TABLE 3A****WATER LEVEL READINGS****AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS****Tide Stage: High  
Time of Tide: 0823  
Date: September 27, 1996  
Time of Readings: 0813 - 0846**

LOCATION	TOP OF CASING ELEVATION (1)(2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 146 MONTHS (4)
Tide Gauge	4.76		0.95	3.81		
Well No. 2	6.92		4.11	2.81		
Well No. 2A	6.67	2.62	3.45	3.22	0.60	1.51 - 4.00
Well No. 3	6.95		4.28	2.67		
Well No. 3A	8.26	1.86	5.80	2.46	0.60	0.78 - 3.31
Well No. 4	10.99		8.00	2.99		
Well No. 4A	10.78	2.28	7.64	3.14	0.86	1.60 - 3.88
Well No. 7	7.59		4.33	3.26		
Well No. 7A	7.33	2.60	4.25	3.08	0.48	2.38 - 3.40

**NOTES:**

**Weather: 55 degrees F, Cloudy, Windy  
Readings by: Mark Panni  
Affiliation: SAIC Engineering , Inc.. 101 East Grove Street, Middleboro, Massachusetts, 02346**

**FOOTNOTES:**

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
- (2) Tide elevation is measured in reference to a known elevation of 4.76 ft , at a point on sheet piling near Well No. 2.
- (3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A, and 7A are average monthly readings recorded for July 1984 through June 1985.
- (4) Numbers in this column are the range of recorded elevations from July 1984 through September, 1996.

**TABLE 3B****WATER LEVEL READINGS**

**AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS**

**Tide Stage: Low**

**Time of Tide: 1426**

**Date: September 27, 1996**

**Time of Readings: 1413 - 1445**

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 146 MONTHS (4)
Tide Gauge	4.76		Dry	--		
Well No. 2	6.92		5.07	1.85		
Well No. 2A	6.67	2.62	3.41	3.26	0.64	1.51 - 4.00
Well No. 3	6.95		5.60	1.35		
Well No. 3A	8.26	1.86	5.47	2.79	0.93	0.78 - 3.31
Well No. 4	10.99		10.30	0.69		
Well No. 4A	10.78	2.28	7.62	3.16	0.88	1.60 - 3.88
Well No. 7	7.59		7.22	0.37		
Well No. 7A	7.33	2.60	4.25	3.08	0.48	2.38 - 3.40

**NOTES:**

**Weather: 70 degrees F, Partly Sunny, Windy**

**Readings by: Mark Panni**

**Affiliation: SAIC Engineering , Inc.. 101 East Grove Street, Middleboro, Massachusetts, 02346**

**FOOTNOTES:**

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
- (2) Tide elevation is measured in reference to a known elevation of 4.76 ft , at a point on sheet piling near Well No. 2.
- (3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A, and 7A are average monthly readings recorded for July 1984 through June 1985.
- (4) Numbers in this column are the range of recorded elevations from July 1984 through September, 1996.



# SHEET PILING/CAP INSPECTION REPORT - SEPT. 1996

AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS

Sheet 1 of 1

		Check if any listed defect is observed					
		CRACKS OR GAPS	FLAKING OR SPALLING	FROST HEAVES	DEPRESSION OR SETTLEMENT	OTHER	
A.	8-foot wide strip adjacent to north trough						
	1. Surface	X					See Note No. 1
	2. Joints						
B.	Directly behind plant						
	1. Surface	X					See Note No.2
	2. Joints						
	* along building						
	* around cooling tower						
	* around well casings						
	* along steel pilings						
	* around fence posts						
C.	Remaining area on either side of old pump house						
	1. Surface						
	2. Joints						
	* around well casings						
	* around fence posts						
	* along steel pilings						
D.	South drainage trough extension (concrete pipe)						
	1. Surface						
	2. Joints	X					See Note No. 3

Inspection by : Mark Panni 9/27/96; Allen F. Davis 10/24/96

Affiliation : SAIC Engineering, Inc., 101 East Grove Street, Middleboro, Massachusetts 02346

Note No. 1: Minor cracking near northeast corner of building should be resealed.

Note No. 2: General resealing of cracks should be performed  
North/South crack east of the fence should be resealed.

Note No. 3: Joints between south concrete trough and asphalt paving, south of fence, should be sealed.  
Easternmost joint of concrete pipe section of the south trough should be sealed.